

SUMMARY

Naval Aviation is first and foremost about warfighting readiness and as such will continue to fulfill the enduring roles of the Navy and Marine Corps. We stand ready to contribute the full measure of our people, power, and technology to combat asymmetric, catastrophic, and disruptive threats and to defend the American homeland. The global security environment demands flexible warfighting strategies, such as FRP, and Naval Aviation will continue to manage its people and resources, providing the presence and unequivocal striking power that our national leadership demands and our country deserves.

The Naval Aviation Enterprise enables the achievement of a more effective and efficient warfighting force. Its process improvement and productivity initiatives exist to secure the future of Naval Aviation and will transform the way we conduct the business of warfighting, at sea and ashore. The NAE is the end of stovepipe management and the beginning of Enterprise-wide decision-making—a vital step toward realizing our future while maintaining the right level of readiness today.

U.S. Naval Aviation aircraft, weapons systems, and sensors are the best in the world, and they are operated and maintained by the smartest, most industrious, and dedicated people in the world. Our current and future technologies are on course to support the cornerstone strategies of Sea Power 21: FORCEnet, Sea Strike, Sea Shield, Sea Basing, Sea Warrior, Sea Trial, and Sea Enterprise. We will continue to develop new technologies while managing our costs, striking the delicate balance between today's readiness and tomorrow's capabilities, in the Joint environment.





APPENDIX A: ACRONYMS & ABBREVIATIONS

AARGM Advanced Anti-Radiation Guided Missile **AMRAAM** Advanced Medium-Range Air-to-Air Missile AAW Anti-Air Warfare **AMS** Airborne Mine Neutralization System ACE **Aviation Combat Element AMTCS Aviation Maintenance Training** ACS **Aerial Common Sensor** Continuum System **ACTD Advanced Concept AOR** Area of Responsibility **Technology Demonstration APKWS** Advanced Precision Kill Weapon System ADAR Air Deployable Active Receiver ARI **Active-Reserve Integration** AEA Airborne Electronic Attack Anti-Radiation Missile **ARM** Advanced Extended Echo Ranging **AEER ASAT** Anti-SATellite **AEHF** Advanced Extremely High Frequency ASN (RD&A) Assistant Secretary of the Navy **AEW** Airborne Early Warning for Research, Development, AFB Air Force Base and Acquisition **AGMS** Air-to-Ground Missile System **ASUW** Anti-Surface Warfare **AESA** Active Electronically Scanned Array ASW Anti-Submarine Warfare AIP Anti-Surface Warfare **Automatic Target Acquisition ATA** Improvement Program **ATDLS** Advanced Tactical Data Link System **ALFS** Airborne Low Frequency Sonar ATFLIR **Advanced Targeting** ALMDS Airborne Laser Mine Detection System Forward-Looking InfraRed **AMCM** Airborne Mine Countermeasures **ATRB** Advanced Technical Review Board **AMP Avionics Modernization Program AWACS** Airborne Warning And Control System BAMS Broad Area Maritime Surveillance BDA Battle Damage Assessment **BGPHES** Battle Group Passive Horizon **Extension System BMD** Ballistic Missile Defense **BOD Board of Directors BVR** Beyond Visual Range \mathbb{C}^2 Command and Control C4I Command, Control, Communications, Computers, and Intelligence 102

C ⁴ ISR	Command, Control, Communications,	CSO	Combat Systems Officer
	Computers, and Intelligence, Surveillance and Reconnaissance	CV	Hull designation for a conventionally- powered aircraft carrier
CAOC	Combined Air Operations Command	CVE	Hull designation for a World War II "jeep
CAS	Close Air Support		carrier"
CBN	Chemical, Biological, and	CVIC	Carrier Intelligence Center
CCC	Nuclear Weapons,	CVN	Hull designation for a nuclear-powered
CCG	Computer Control Group	CVDV	aircraft carrier
CDL-N	Common Data Link-Navy	CVW	Carrier Air Wing
CDMR	Compact Deployable Multistatic Receiver	DARPA	Defense Advanced Research Projects Agency
CDMS	Compact Deployable Multistatic Source	DCGS-N	Distributed Common Ground System-
CEC CEP	Cooperative Engagement Capability Circular Error Probable	Dods II	Navy
CFFC	Commander, Fleet Forces Command	DCS	Digital Communications System
CFO	Chief Financial Officer	DEAD	Destruction of Enemy Air Defenses
CFT	Cross Functional Team	DESRON	Destroyer Squadron
CG	Hull designation for a guided-missile	DEW	Directed Energy Weapon
Ou	cruiser	DII-COE	Defense Information Infrastructure/
CLF	Combat Logistics Force		Common Operating Environment
CLS	Contractor Logistics Support	DLA	Defense Logistics Agency
CMC	Commandant of the Marine Corps	DPSS	Digital Precision Strike Suite
CMT	Cost Management Team	EAWS	Enlisted Aviation Warfare Specialty
CNAF	Commander, Naval Air Forces	ECM	Electronic CounterMeasures
CNAL	Commander, Naval Air Force, U.S.	ECCM	Electronic Counter-CounterMeasures
	Atlantic Fleet	EMALS	Electro-Magnetic Aircraft Launch System
	Chief of Naval Air Training	EO/IB	Electro-Optical
CNO	Chief of Naval Operations	EO/IR EOB	Electro-Optical/InfraRed
CNR	Chief of Naval Research	ESG	Enemy Order of Battle Expeditionary Strike Group
COD	Carrier Onboard Delivery	ESM	Electronic Support Measures
COMNA	VAIRSYSCOM Commander, Naval Air Systems Command	EW	Electronic Warfare
COMPTU		FARP	Forward Arming and Refueling Point
	Concept of Operations	FBE	Fleet Battle Experiment
CRRC	Chesapeake Regional Range Cooperative	FFG	Hull designation for a guided-missile
CSAR	Combat Search And Rescue		fast frigate
CSFTL	Commander, Strike Force	FLIR	Forward-Looking InfraRed
	Training Atlantic	FLTASW	COM Fleet Anti-Submarine Warfare
CSFTP	Commander, Strike Force Training Pacific		Command
CSG	Carrier Strike Group	FNC	Future Naval Capabilities
		FRC	Fleet Readiness Centers



FRP	Fleet Response Plan	IP	Internet Protocol
FRTC	Fallon Range Training Complex	IPT	Integrated Product Team
FTI	Fast Tactical Imagery	IR	InfraRed
FY	Fiscal Year	ISR	Intelligence, Surveillance,
GIG	Global Information Grid		and Reconnaissance
GIG-ES	Global Information Grid-Enterprise Services	ISRT	Intelligence, Surveillance, Reconnaissance, and Targeting
GP	General Purpose	IUSS	Integrated Undersea Surveillance System
GPS	Global Positioning System	JAN-TE	Joint Airborne Network-Tactical Edge
GWOT	Global War on Terror	JDAM	Joint Direct Attack Munition
HARM	High Speed Anti-Radiation Missile	JETI	Jet Engine Test Instrumentation
HCS	Human Capital Strategy	JFN	Joint Fires Network
HDBT	Hard and Deeply Buried Target	JHMCS	Joint Helmut Mounted Cueing System
HEL	High Energy Laser	JMOD	Joint Signals Intelligence Avionics Family (JSAF) Block Modernization Program
HLR	Heavy Lift Replacement	JMPS	Joint Mission Planning System
HMMWV	High Mobility Multipurpose Wheeled Vehicle	ISF	Joint Strike Fighter
HQMC	Headquarters Marine Corps	JSIPS-N	Joint Sensor Image Processing System- Navy
HPM	High-Power Microwave	JSOW	Joint Standoff Weapon
HS/H	High Speed/Hypersonic	JTF	Joint Task Force
HSI HSW	Human Systems Integration High Speed Weapon	JTFEX	Joint Task Force Exercise
IAC	Integrated ASW Commander Course	JTRS	Joint Tactical Radio System
IADS	Integrated Air Defense System	J-UCAS	Joint-Unmanned Combat Air System
ICAP III	Improved Capability III	LSO	Landing Signal Officer
ICAT III	Inter-Continental Ballistic Missile	LCAC	Landing Craft, Air Cushioned
IIR	Imagery InfraRed	LCS	Littoral Combat Ship
IMC	Integrated Maintenance Concept	LGB	Laser-Guided Bomb
IMINT	Imagery Intelligence	LHA	Hull designation for an amphibious
INS	Inertial Navigation System		assault ships
IO	Information Operations	LHA(R)	LHA Replacement
IOC	Initial Operational Capability	LTA	Lighter Than Air
	Trusting to product of the control o	M&S	Modeling and Simulation

MARCENT Marine Forces Central Command	NETC Naval Education and Training Command
M/BVR Medium/Beyond Visual Range	NETWARCOM Naval Network Warfare Command
MAC Metal Augmented Charge	N-PFPS Navy-Portable Flight Planning Software
MAGTF Marine Air Ground Task Force	NSAWC Naval Strike and Air Warfare Center
MANPADS MAN-Portable Air Defense Systems	NSW Naval Special Warfare
MASINT Measurements and Signatures Intelligence	NUFEA Navy Unique Fleet Essential Airlift
MAW Marine Aircraft Wing	NWDC Navy Warfare Development Command
MAWTS Marine Aviation Weapons and	OAMCM Organic Airborne Mine CounterMeasures
Tactics Squadron	OASIS Organic Airborne and
MCAS Marine Corps Air Station	Surface Influence System
MCM Mine Countermeasures	OEF Operation Enduring Freedom
MEU Marine Expeditionary Unit	OFP Operational Flight Program
MIDS Multi-functional Information	OIF Operation Iraqi Freedom
Distribution System	OMFTS Operational Maneuver From The Sea
MIDS-JTRS MIDS-Joint Tactical Radio System	ONR Office of Naval Research
MIDS-LVT MIDS-Low Volume Terminal	OPAREA Operational Area
MITL Man-In-The-Loop	OPEVAL Operational Evaluation
MITT Maritime Integrated Tailored Training	OPNAV Office of the Chief of Naval Operations
MIW Mine Interdiction Warfare	OPTEMPO Operations Tempo
MMA Multi-Mission Maritime Aircraft	OTH Over-The-Horizon
MPA Maritime Patrol Aircraft	P ³ I Pre-Planned Product Improvement
MPF Maritime Pre-Positioning Force	PAA Primary Aircraft Authorized
NAE Naval Aviation Enterprise	PEO Program Executive Office
NAE BOD NAE Board of Directors	PMA Program Manager Air
NAI National Aerospace Initiative	POM Program Objective Memoranda
NAPT Naval Aviation Production Team	PPBE Programming, Planning, and Budgeting
NAS Naval Air Station	Environment
NAVAIR Naval Air Systems Command	RAMICS Rapid Airborne MIne Clearance System
NAVICP Naval Inventory Control Point	RAMP Required Avionics Modernization
NAVRIIP Naval Aviation Readiness Integrated	Program
Improvement Program	RDT&E Research, Development, Test, and
NAVSEA Naval Sea Systems Command	Evaluation
NAVSUP Naval Supply Systems Command	RF Radio Frequency
NCDP Naval Capability Development Process	RFI Ready For Issue
	RFT Ready For Tasking

RIMPAC	RIM of the PACific
RMP	Radar Modernization Program
S&T	Science and Technology
SA	Situational Awareness
SAR	Synthetic Aperture Radar
SAR	Search And Rescue
SATCOM	Satellite Communication
SEAD	Suppression of Enemy Air Defenses
SFTI	Strike Fighter Tactics Instructor
SHARP	SHAred Reconnaissance Pod
SIAP	Single Integrated Air Picture
SIGINT	Signals Intelligence
SIPRnet	Secret Internet PRotocol network
SLAM-EI	R Standoff Land Attack Missile- Expanded Response
SLOC	Sea Lines of Communication
SN	Seaman
SOF	Special Operations Forces

SPAWAR	Space and Naval Warfare Systems Command
SRT	Synthetic Radar Training
SSIP	Sensor System Improvement Program
SSN	Hull designation for an attack submarine
STAR21	Sea Warrior Training And Recruiting for Sea Power 21
STOL	Short TakeOff and Landing
STOM	Ship-to-Objective Maneuver
STOVL	Short TakeOff/Vertical Landing
SUW	Surface Warfare
SYSCOM	Systems Command
T&E	Testing and Evaluation
TACAIR	Tactical Air
TACTS	Tactical Aircrew Combat Training System
TAMD	Theater Air and Missile Defense
TAMPS	Tactical Automated Mission Planning System
TARPS	Tactical Airborne Reconnaissance Pod System





TBMD/C	/Cruise Missile Defense	USMC USN	United States Marine Corps United States Navy
TCS	Tactical Control System	USSTRA	TCOM U.S. Strategic Command
TCT	Time Critical Targeting	VAATE	Versatile Affordable Advanced
TDM	Tactical Dissemination Module		Turbine Engine
TLAM	Tomahawk Land Attack Missile	VERTRE	P Vertical Replenishment
T/M/S	Type/Model/Series	VLF	Very Low Frequency
TOC	Theory of Constraints	VOD	Vertical Onboard Delivery
TOW	Tube-Launched, Optically-Tracked,	VS	Virtual SYSCOM
	Wire-Guided Missile System	V/STOL	Vertical/Short TakeOff and Landing
TRS	Training Range Strategy	VTOL	Vertical TakeOff and Landing
TSPI	Time Space Position Information	VTUAV	Vertical Takeoff and Landing Tactical
TSS	Time Sensitive Strike		UAV
TTP	Tactics, Techniques, and Procedures	VUAV	Vertical Takeoff and Landing UAV
TYCOM	Type Commander	WIA	Weapon Impact Assessment
UAV	Unmanned Aerial Vehicle	WIP	Work-In-Progress
UCAV	Unmanned Combat Air Vehicle	WMD	Weapon of Mass Destruction
USAF	United States Air Force	WRC	Warfighter Response Center



APPENDIX B: IMAGE CREDITS

Original 3D models of aircraft, *CVN 21*-class, and weapons provided by: Bell Helicopter, Boeing, Lockheed Martin, Northrop Grumman, Raytheon, and Sikorsky. Model enhancements by Chris Jantsch.

- iii Atlantic Ocean (18 Jul 04) *USS HARRY S. TRUMAN* (CVN-75) participates in exercise Majestic Eagle off the coast of Morocco. (U.S. Navy photo by PHAN Ryan O'Connor, USN; conceptual images by Ken Collins)
- iv Pacific Ocean (25 Jun 04) An F/A-18E *Super Hornet* piloted by CAPT Scott Swift, USN, Commander, Carrier Air Wing Fourteen (CVW-14), launches from the deck of *USS JOHN C. STENNIS* (CVN-74). This was CAG Swift's final flight as Air Wing Commander, courtesy of the VFA-115 "Eagles."

 (U.S. Navy photo by PH2 Jayme Pastoric, USN)
- vii (2004) An AV-8B *Harrier* from the "Flying Nightmares" of VMA-513 (Detachment A), launched from *USS PELELIU* (LHA-5), receives fuel from a VFA-41 "Black Aces" F/A-18F *Super Hornet*.

 (U.S. Marine Corps photo by Major John A. "Bull" Rahe, USMC)
- viii—ix Island of Sumatra, Indonesia (12 Jan 05) An MH-60S *Knighthawk* helicopter, assigned to the "Gunbearers" of HC-11 (Detachment Two), idles on a provincial road outside Banda Aceh while aircrew pass out relief supplies after Southeast Asia's devastating tsunami. (U.S. Navy photo by PH3 M. Jeremie Yoder, USN)
- 1 Composite photo created by Ken Collins:

Island of Sumatra, Indonesia (10 Jan 05) — Landing Craft, Air Cushioned (LCAC) vehicles attached to *USS BONHOMME RICHARD* (LHD-6) and Expeditionary Strike Group FIVE (ESG-5) deliver supplies to the people of Meulobah. (DoD photo by PH1 Bart A. Bauer, USN)

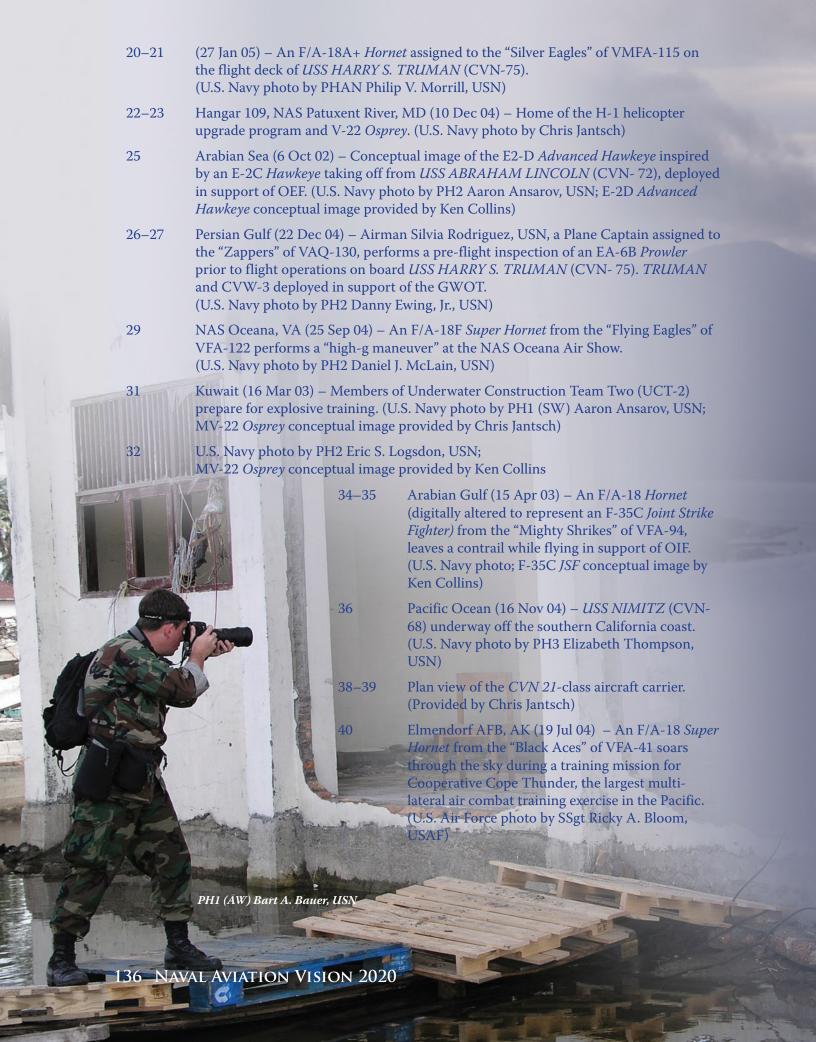
Everett Naval Base, Washington (4 Mar 05) – The national ensign flies from the stern of *USS ABRAHAM LINCOLN* (CVN-72) upon its return from a surge deployment to the Western Pacific Ocean. *LINCOLN* and Carrier Air Wing TWO contributed over 5 million pounds of supplies to the island of Sumatra, Indonesia as part of Operation Unified Assistance. (U.S. Navy photo by PH3 James R. McGury, USN)

In the skies over Iraq, a KC-10 from the 908th Expeditionary Air Refueling Squadron refuels two F/A-18 *Hornets* from the "Rampagers" of VFA-83, during OIF. (U.S. Air Force photo by TSgt Erik Gudmundson, USAF)

(26 Feb 04) Expeditionary Strike Group Two (ESG-2), comprised of *USS WASP* (LHD-1) with the 22nd Marine Expeditionary Unit (MEU) embarked, *USS LEYTE GULF* (CG-55), *USS YORKTOWN* (CG-48), *USS SHREVEPORT* (LPD-12), *USS WHIDBEY ISLAND* (LSD-41), *USS MCFAUL* (DDG -4), and *USS CONNECTICUT* (SSN-22) deploy in support of the Global War on Terror (GWOT). (USN photo by PH3 David K. Simmons, USN)

Arabian Gulf (17 Nov 04) – An aircraft director stands ready to receive an F-14 *Tomcat* on catapult #3 of the *USS JOHN F. KENNEDY* (CV-67). The *KENNEDY* Carrier Strike Group was supporting ground troops in Fallujah, Iraq during Operation Al Fajr (New Dawn). (U.S. Navy photo by PH2 (NAO/SW/AW) Michael Sandberg, USN)







- 60–61 NAS North Island, CA (9 Nov 02) A C-130T *Hercules* Logistics Support Aircraft from the VR-54 "Revelers" taxis to the runway. (U.S. Navy photo by Chris Jantsch)
- 62–63 Southern California (5 May 04) A section of E-2C *Hawkeyes* from the "Black Eagles" of VAW-113 and the "Sun Kings" of VAW-116, flies off the coast of Southern California. (U.S. Navy photo by JO2 Thomas Peterson, USN; E2-D *Advanced Hawkeye* conceptual image by Ken Collins)
- 64–65 FORCEnet illustration by Ken Collins, Chris Jantsch, and Greg Makrakis.
- 68–69 Central Iraq The wideband satellite and UHF antenna farm of the 123rd Signal Battalion, 3rd Infantry Division. (U.S. Army photo by SGT Igor Paustovski, USA)
- NAS Patuxent River, MD (1 Oct 04) A T-6A *Texan II* from Training Air Wing Six "holds short," waiting for takeoff clearance. (U.S. Navy photo by Chris Jantsch)
- 72–73 Mediterranean Sea (30 Mar 03) Aviation Ordnancemen move Laser-Guided Bombs (LGBs) from an elevator on board *USS THEODORE ROOSEVELT* (CVN-71).

 **ROOSEVELT* and CVW-8 were conducting missions in support of OIF.

 (U.S. Navy photo by PHAR Chris Thamann, USN; image composite by Chris Jantsch)
- Fallujah, Iraq A precision air strike destroys an insurgent stronghold, helping 3rd Battalion, 1st Marines, 1st Marine Division move through the city of Fallujah during Operation Al Fajr (New Dawn).

 (U.S. Marine Corps photo by LCpl Thomas D. Hudzinski, USMC)
- 76–77 Central Command AOR An F/A-18C *Hornet* assigned to the "Gunslingers" of VFA-105, during OIF. (U.S. Navy photo by CDR Tom "Walli" Lalor, USN)
- 78–79 Persian Gulf (3 Dec 04) An E-2C *Hawkeye* assigned to the *Seahawks* of VAW-126 launches from the flight deck of *USS HARRY S. TRUMAN* (CVN-75). *TRUMAN* and CVW-3 conducted ISR and CAS missions over Iraq. (U.S. Navy photo by PHAA Ricardo J. Reyes, USN)
- Tallil Air Base, Iraq (7 May 03) Lance Corporal John Ideus, USMC from Marine Wing Support Squadron (MWSS)-371 stands by to ground and fuel an AH-1 *Cobra* helicopter at a Forward Area and Refueling Point (FARP) during OIF. (U.S. Air Force photo by SSgt Shane A. Cuomo, USAF)
- 82–83 Indian Ocean (20 Sep 04) CDR George Slook, USN, Executive Officer of the VFA-113 "Stingers," launches an AIM-9 *Sidewinder* missile from an F/A-18 *Hornet* during an underway missile exercise. VFA-113 is assigned to CVW-14, embarked on *USS JOHN C. STENNIS* (CVN-74). (U.S. Navy photo by PH3 Mark J. Rebilas, USN)
- 84–85 (10 Nov 02) An MD-3 tow tractor moves a VFA-14 F/A-18E *Super Hornet*. The "Tophatters" are embarked on board *USS NIMITZ* (CVN-68). (U.S. Navy photo by Chris Jantsch)
- 86–87 San Diego, CA (14 Aug 02) On the fantail of *USS NIMITZ* (CVN-68), an F404 engine used to power the F/A-18 *Hornet* is taken to full afterburner using the new Jet Engine Test Instrumentation (JETI) system.

 (U.S. Navy photo by PHAN Sara Bohannan, USN)
- 88–89 Al Asad, Iraq (17 Dec 04) Two CH-53 *Sea Stallion* medium lift helicopters return from conducting a weapons shoot during the visit of LtGen Wallace C. Gregson, USMC, Commander, U.S. Marine Forces Central Command (MARCENT). (U.S. Marine Corps photo by Cpl Jessica L. Richards, USMC)

- 90–91 Pacific Ocean (28 Jun 04) *USS TARAWA* (LHA-1) approaches Pearl Harbor, HI to participate in exercise RIMPAC 2004. (U.S. Navy photo by PH2 Richard J. Brunson, USN)
- 92–93 Photo of the Himalayan Mountain range taken from the space shuttle *Columbia*. (J-UCAS image composition by Ken Collins)
- 94–95 Mediterranean Sea (4 Jan 05) LTJG Brooke O'Brien, USN, copilots a P-3C *Orion* assigned to the "Mad Foxes" of VP-5, during a scheduled deployment in support of the GWOT. (U.S. Navy photo by PH3 Jesse L. Paquin, USN)
- 96–97 Arabian Gulf The "Blackhawks" of HM-15 retrieve the AN/AQS-14A Side-Looking Sonar used to detect underwater mines and analyze mine warfare data. (U.S. Navy photo by PH2 Christopher Mobley, USN)
- 98–99 U.S. Navy photo by Randy Hepp.
- 100–101 NAS Patuxent River, MD (4 Aug 04) A pair of MV-22 *Ospreys* on the ramp at NAS Pax River. (U.S. Navy photo by Chris Jantsch; image composition by Ken Collins)
- 102–103 Near Camp Taqaddum, Iraq (25 May 04) SSgt Mark J. Covill, USMC, attached to the "Coyotes" of HMLA-775, surveys the area around a farm from his UH-1N *Huey* helicopter. (U.S. Marine Corps photo by LCpl Samuel Bard Valliere, USMC)

Atlantic Ocean (29 Sep 03) – An Aviation
Boatswain's Mate, enveloped by steam from the
catapults of *USS RONALD REAGAN* (CVN-76),
signals for an aircraft to taxi into position during
CVW-17 carrier qualifications.
(U.S. Navy photo by PH2 Chad McNeeley, USN)

106–107 South China Sea (31 Aug 04) – Aviation
Ordnancemen carefully guide a skid loaded with
ammunition through the hangar bay of *USS JOHN C. STENNIS* (CVN-74).
(U.S. Navy photo by PH3 Mark J. Rebilas, USN)

PH3 Craig R. Spiering, USN

109 Arabian Sea - Sailors from the Air Department of USS ABRAHAM LINCOLN (CVN-72) pose for an advertising campaign concept, entitled "Check out our new fall colors." Pictured are: AN Mardi Ros (blue shirt), ABHAN Lavar Jones (red shirt), ABE2 Michelle Brown (green shirt), ABH3 (EAWS) Shawn Riley (purple shirt), and AN George Pena (yellow shirt). (U.S. Navy photo and layout concept by PH2 Aaron Ansarov, USN, and PH3 Jennifer Nichols, USN)

110 Persian Gulf (11 Jan 05) – LT James Keating, USN, gives a thumbs-up to a catapult operator from the flight deck of USS HARRY S. TRUMAN (CVN-75). (U.S. Navy photo by PH3 Craig R. Spiering, USN)

112-113 MCAS Miramar, CA (24 Sep 04) – An MV-22 Osprey from VMX-22, stationed at MCAS New River, NC, approaches MCAS Miramar, CA. (U.S. Marine Corps photo by Sgt J.L. Zimmer III, USMC)

114–115 NAS Key West, FL (7 Jan 05) – Pilots assigned to the "Saints" of VFC-13, preflight their F-5E/F *Tiger* adversary aircraft. (U.S. Navy photo by JO1 Trice Denny, USN).

116-117 Sigonella, Sicily (12 Jan 05) – A maintenance crew changes the number two engine propeller of a P-3C Orion attached to the VP-5 "Mad Foxes," deployed to NAS Sigonella. (U.S. Navy photo by PH3 Jesse L. Paquin, USN)

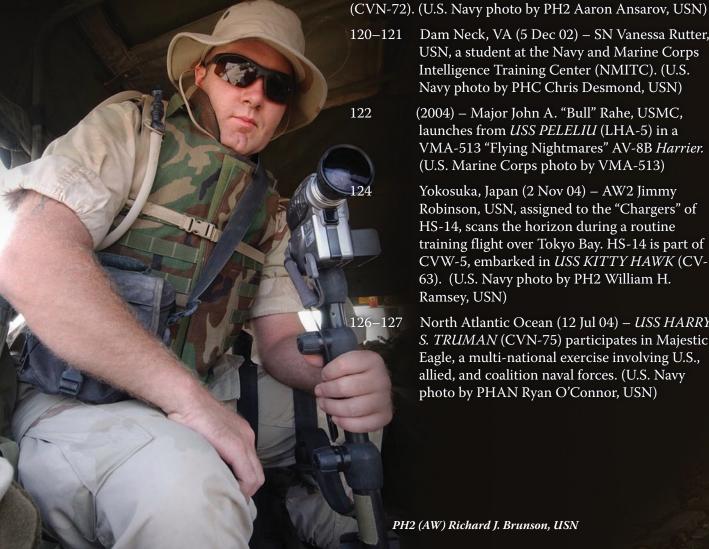
118-119 Arabian Sea – An aircrewman from the HS-4 "Black Knights" walks to his aircraft in preparation for a night training mission, launching from USS ABRAHAM LINCOLN

> Dam Neck, VA (5 Dec 02) – SN Vanessa Rutter, USN, a student at the Navy and Marine Corps Intelligence Training Center (NMITC). (U.S. Navy photo by PHC Chris Desmond, USN)

(2004) – Major John A. "Bull" Rahe, USMC, launches from USS PELELIU (LHA-5) in a VMA-513 "Flying Nightmares" AV-8B *Harrier*. (U.S. Marine Corps photo by VMA-513)

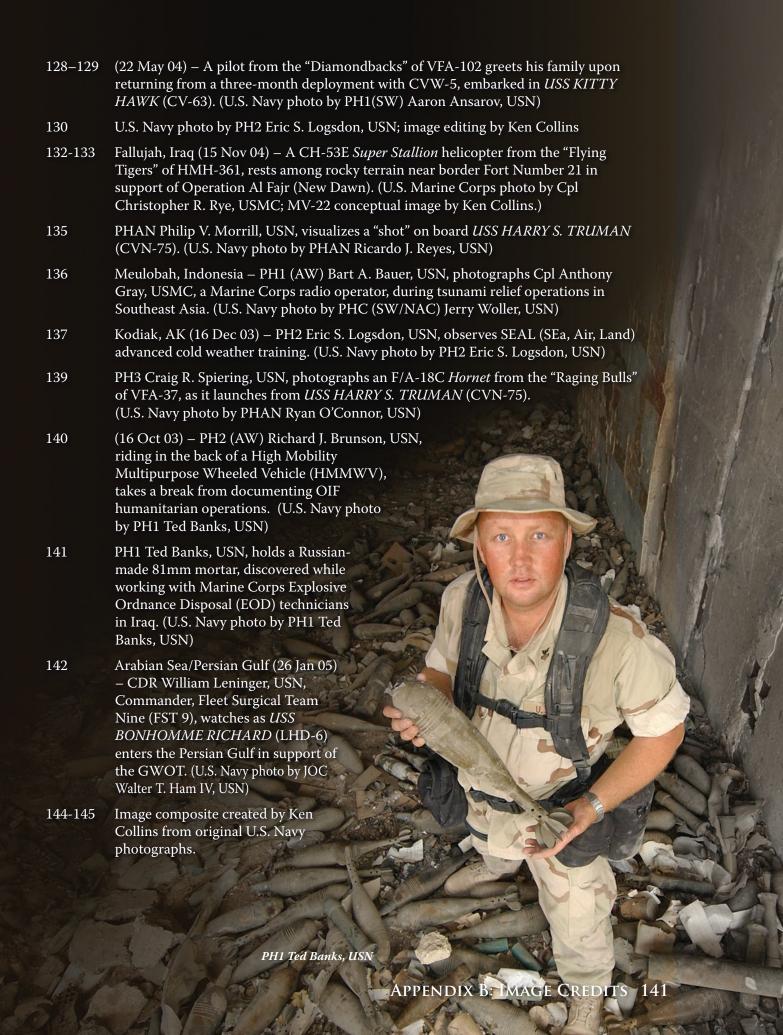
Yokosuka, Japan (2 Nov 04) – AW2 Jimmy Robinson, USN, assigned to the "Chargers" of HS-14, scans the horizon during a routine training flight over Tokyo Bay. HS-14 is part of CVW-5, embarked in USS KITTY HAWK (CV-63). (U.S. Navy photo by PH2 William H. Ramsey, USN)

North Atlantic Ocean (12 Jul 04) – USS HARRY S. TRUMAN (CVN-75) participates in Majestic Eagle, a multi-national exercise involving U.S., allied, and coalition naval forces. (U.S. Navy photo by PHAN Ryan O'Connor, USN)



PH2 (AW) Richard J. Brunson, USN

140 NAVAL AVIATION VISION 2020





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